

IN THE CLAIMS:

Please cancel claims 24 and 35.

Claims 1-23, 25-34, and 36-44 are pending in the application.

1. (Currently amended) A rolling cutter insert, comprising:
a generally cylindrical body, a cutting surface, and a bottom surface;
a tapered surface adjacent said generally cylindrical body; and
a generally cylindrical section positioned between said bottom surface and said tapered surface.
2. (Currently amended) The device of claim 1, further comprising a radiused corner region adjacent said bottom surface, said radiused corner region being positioned between said bottom surface and said generally cylindrical section.
3. (Currently amended) The device of claim 2, wherein said generally cylindrical section is adjacent said radiused corner region.
4. (Currently amended) The device of claim 1, wherein said generally cylindrical body has a diameter that is greater than a diameter of said generally cylindrical section.
5. (Currently amended) The device of claim 1, further comprising a radiused region positioned between said tapered surface and said generally cylindrical section.
6. (Currently amended) The device of claim 2, wherein said radiused corner region defines a transition between said bottom surface and said generally cylindrical section.
7. (Original) The device of claim 5, wherein said radiused region defines a transition between said cylindrical section and said tapered surface.
8. (Original) The device of claim 1, wherein said tapered surface is formed at an angle of approximately 15 degrees relative to a longitudinal axis of said generally cylindrical body.

9. (Original) The device of claim 1, wherein said radiused corner region has a radius of approximately 0.020 inches.
10. (Original) The device of claim 5, wherein said radiused region has a radius of approximately 0.20 inches.
11. (Currently amended) The device of claim 1, wherein said ~~generally~~ cylindrical section has an axial length of approximately 0.020 inches.
12. (Original) The device of claim 1, further comprising a roller cutter drill bit comprised of at least one roller cone, wherein said roller cutter insert is press fit into an opening formed in said roller cone.
13. (Currently amended) A rolling cutter insert, comprising:
a generally cylindrical body, a cutting surface, and a bottom surface;
a tapered surface adjacent said generally cylindrical body;
a radiused corner region adjacent said bottom surface; and
a ~~generally~~ cylindrical section positioned between said radiused corner region and said tapered surface, wherein said radiused corner region defines a transition between said bottom surface and said ~~generally~~ cylindrical section.
14. (Currently amended) The device of claim 13, wherein said generally cylindrical body has a diameter that is greater than a diameter of said ~~generally~~ cylindrical section.
15. (Original) The device of claim 13, further comprising a radiused region positioned between said tapered surface and said generally cylindrical region.
16. (Currently amended) The device of claim 15, wherein said radiused region defines a transition between said ~~generally~~ cylindrical section and said tapered surface.

17. (Original) The device of claim 13, wherein said tapered surface is formed at an angle of approximately 15 degrees relative to a longitudinal axis of said generally cylindrical body.

18. (Original) The device of claim 13, further comprising a roller cutter drill bit comprised of at least one roller cone, wherein said roller cutter insert is press fit into an opening formed in said roller cone.

19. (Currently amended) A rolling cutter insert, comprising:
a generally cylindrical body, a cutting surface, and a bottom surface;
a tapered surface adjacent said generally cylindrical body;
a radiused corner region adjacent said bottom surface;
a ~~generally~~ cylindrical section positioned between said radiused corner region and said tapered surface, wherein said radiused corner region defines a transition between said bottom surface and said ~~generally~~ cylindrical section; and
a radiused region positioned between said tapered surface and said ~~generally~~ cylindrical section, wherein said radiused region defines a transition between said ~~generally~~ cylindrical section and said tapered surface.

20. (Currently amended) The device of claim 19, wherein said generally cylindrical body has a diameter that is greater than a diameter of said ~~generally~~ cylindrical section.

21. (Original) The device of claim 19, wherein said tapered surface is formed at an angle of approximately 15 degrees relative to a longitudinal axis of said generally cylindrical body.

22. (Original) The device of claim 19, further comprising a roller cutter drill bit comprised of at least one roller cone, wherein said roller cutter insert is press fit into an opening formed in said roller cone.

23. (Currently amended) A rolling cutter insert, comprising:

a generally cylindrical body, a cutting surface, and a bottom surface;
a tapered surface adjacent said generally cylindrical body; and
a region of material positioned between said bottom surface and said tapered surface, said region of material positioned outside of a volume defined, at least in part, by an intersection of a linear extension of said tapered surface with said bottom surface and comprising a cylindrical section positioned between said tapered surface and said bottom surface, wherein at least a portion of said cylindrical section defines at least a part of said region of material.

24. (Canceled)

25. (Currently amended) The device of claim 24 23, further comprising a radiused corner region between said ~~generally~~ cylindrical section and said bottom surface.

26. (Original) The device of claim 25, wherein at least a portion of said radiused corner region defines at least part of said region of material.

27. (Currently amended) The device of claim 25, wherein said ~~generally~~ cylindrical section is adjacent said radiused corner region.

28. (Original) The device of claim 23, further comprising a radiused corner region positioned adjacent said bottom surface, wherein at least a portion of said radiused corner region defines at least part of said region of material.

29. (Currently amended) The device of claim 24 23, wherein said generally cylindrical body has a diameter that is greater than a diameter of said ~~generally~~ cylindrical section.

30. (Currently amended) The device of claim 24 23, further comprising a radiused region positioned between said tapered surface and said ~~generally~~ cylindrical section.

31 (Currently amended).The device of claim 25, wherein said radiused corner region defines a transition between said bottom surface and said ~~generally~~ cylindrical section.

32. (Currently amended) The device of claim 30, wherein said radiused region defines a transition between said ~~generally~~ cylindrical section and said tapered surface.

33 (Original).The device of claim 23, wherein said tapered surface is formed at an angle of approximately 15 degrees relative to a longitudinal axis of said generally cylindrical body.

34. (Currently amended) A rolling cutter insert, comprising:

a generally cylindrical body;

a cutting surface; and

a bottom portion extending from said generally cylindrical body, said bottom portion comprising a bottom surface and a tapered surface, said tapered surface being formed adjacent said generally cylindrical body, wherein said bottom portion is configured such that there is a region of material positioned between said bottom surface and said tapered surface, said region of material being positioned outside of a volume defined, at least in part, by an intersection of a linear extension of said tapered surface with said bottom surface and comprising a cylindrical section positioned between said tapered surface and said bottom surface, wherein at least a portion of said cylindrical section defines at least a part of said region of material.

35. (Canceled)

36. (Currently amended) The device of claim ~~35~~ 34, further comprising a radiused corner region between said ~~generally~~ cylindrical section and said bottom surface.

37. (Original) The device of claim 36, wherein at least a portion of said radiused corner region defines at least part of said region of material.

38. (Currently amended) The device of claim 36, wherein said ~~generally~~ cylindrical section is adjacent said radiused corner region.

39. (Original) The device of claim 34, further comprising a radiused corner region positioned adjacent said bottom surface, wherein at least a portion of said radiused corner region defines at least part of said region of material.

40. (Currently amended) The device of claim ~~35-34~~, wherein said generally cylindrical body has a diameter that is greater than a diameter of said ~~generally~~ cylindrical section.

41. (Currently amended) The device of claim ~~35-34~~, further comprising a radiused region positioned between said tapered surface and said ~~generally~~ cylindrical section.

42. (Currently amended) The device of claim 36, wherein said radiused corner region defines a transition between said bottom surface and said ~~generally~~ cylindrical section.

43. (Currently amended) The device of claim 41, wherein said radiused region defines a transition between said ~~generally~~ cylindrical section and said tapered surface.

44. (Original) The device of claim 34, wherein said tapered surface is formed at an angle of approximately 15 degrees relative to a longitudinal axis of said generally cylindrical body.

BEST AVAILABLE COPY